BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Total Amount 4050020.00

Modified Estimate for the work of Construction of Street vendors zone in ward no -04 of yelahanka satellite town sub division.

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1) 5km lead= 57+2.0x1.28x5 =69.80 complete as per specifications. specification and site engineer in incharge	Cum							
	For RCC drain		2	75.00	1.20	1.00	180.00		
	for CC road		1	75.00	11.00	0.30	247.50		
							427.50		
							102.71	217.00	22288.00
	Approved Tender Rate upto 125%	217.00							
	Basic rate	130.00							
	area weigtage6%	7.80							
	Total Amount	137.80							
	Tender premium 4.95% above	6.82							
	TOTAL	144.62					324.79	144.62	46971.00
2	Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications.MORTH Specification. complete as per specifications and site engineer in incharge	Cum							
	For RCC drain		2	75.00	1.20	0.15	27.00		
	for CC road		1	75.00	7.00	0.15	78.75		
							105.75	5780.00	611235.00
	Approved Tender Rate upto 125%	5780.00							

o	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm complete as per specifications and site engineer in incharge	Cum							
	RCC drain bed								
			2	75.00	0.90	0.15	20.25		
	Side walls	2x2	4	75.00	0.15	0.75	33.75		
							54.00		
							32.67	7423.00	242509.00
	Approved Tender Rate upto 125%	7423.00							
	Basic rate	6670.00							
	area weigtage6%	400.20							
	Total Amount	7070.20							
	Tender premium 4.95% above	349.97							
	TOTAL	7420.17					21.33	7420.17	158272.00

o	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200Specification complete as per specifications and site engineer in incharge	tonne							
	for RCC drain 70 kg/cum		0.070	54.00			3.78		
				54.00			3.78		
							2.28	75943.00	173150.00
	Approved Tender Rate upto 125%	75943.00							
	Basic rate	68233.00							
	area weigtage6%	4093.98							
	Total Amount	72326.98							
	Tender premium 4.95% above	3580.19							
	TOTAL	75907.17					1.50	75907.17	113861.00
5	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate) complete as per specifications and site engineer in incharge	Sqm							
	RCC drain		2	75.00		0.90	135.00		
							135.00		
	Approved Tender Rate upto 125%	2453.00							
	Data Rate	2337.00					93.37	2453.00	229037
	area weigtage6%								
	Total Amount	2337.00							
	Tender premium 4.95% above	115.68							
	TOTAL	2452.68							
							41.63	2452.68	102105.00

No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications complete as per specifications and site engineer in incharge	cum	Not Executed						
7	Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specificationg complete as per specifications and site engineer in incharge	cum							
	for cc road		1	75.00	8.00	0.20	120.00		
			2	75.00	1.50	0.20	45.00		
							165.00	361.00	59565.00
	Approved Tender Rate upto 125%	**361.00**							
8	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specificationcomplete as per specifications and site engineer in incharge	cum							
	for cc road		1	75.00	8.00	0.20	120.00		
							120.00	5930.00	711600.00

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Approved Tender Rate upto 125%	5930.00							
9	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete, complete as per the direction of the Engineer-in-charge.	Nos							
							370.00		
							370.00	454.00	167980.00
	Approved Tender Rate upto 125%	454.00							
10	Providing and applying painting in two coat with Synthetic enamel paint of approved brand and manufacture on concrete surface with cost of materials ,labour complete as per specifications and site engineer in incharge	Sqm							
			2	75.00		0.40	60.00		
							60.00	89.00	5340.00
	Approved Tender Rate upto 125%	89.00							
11	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications and site engineer in incharge	Sqm							
	for cc road		1	75.00	8.00		600.00		
							600.00	702.00	421200.00

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Approved Tender Rate upto 125%	702.00							
	EIRL ITEMS								
1	KSRB 14.6-1 : Providing and laying heavy duty cobble stones 75mm thick, thick interlock pavers, using cement and course sand for manufactures of blocks of approved size , shape and colour with a minimum compressive strength of 281kgs per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour, curing complete as per specifications. Page No.108/ Item No. 14.	Sqm							
			2	75.00	1.50		225.00		
							225.00	1234.84	277839.00
	Basic rate	1110.00							
	area weigtage6%	66.60							
	Total Amount	1176.60							
	Tender premium 4.95% above	58.24							
	TOTAL	1234.84							
2	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406	cum							
			2	75.00	1.50	0.15	33.75		
			1	55.00	8.00	0.15	66.00		
	either side of the road edge		1	70.00	2.00	0.15	21.00		
							120.75	2100.34	253616.00
	Basic rate	1888.00							
	area weigtage6%	113.28							
	Total Amount	2001.28							
	Tender premium 4.95% above	99.06							
	TOTAL	2100.34							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Supply Fabrication painting and fixing of pre cast Bollards for footpath and property edges medians etc and any other items as specified in drawings or as approved by engineers incharge.	Nos							
			15				15.00		
							15.00	1301.38	19521.00
	Date Rate	1240.00							
	area weigtage6%								
	Total Amount	1240.00							
	Tender premium 4.95% above	61.38							
	TOTAL	1301.38							
							Sub total		3616089
							GST 12%		433931
7	Miscellaneous charges							Total	4050020.00
	(Rupees Ten Lakhs Only)								

Assistant Engineer

Assistant Executive Engineer
Yelahanka Satellite town Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Technical Sanction
Accorded For Rs. 4050020.00
Head of A/C 3.29.6
CER NO 54 Dt: 28.12.2020
CE (NK)